ELSEVIER

Surface Science 407 (1998) 299–301

surface science

Author index

Allegretti, F.E., see Tejedor 407 (1998) 82
Andryushechkin, B.V., K.N. Eltsov, V.M. Shevlyuga and V.Yu. Yurov, Atomic structure of saturated chlorine monolayer on Ag(111) surface 407 (1998) L633

Baer, Y., see Purdie 407 (1998) L671
Beton, P.H., see Moriarty 407 (1998) 27
Bluhm, H., see Xu 407 (1998) 251
Bohnen, K.P. and D.M. Kolb, Charge- versus adsorbate-induced lifting of the Au(100)-(hex) reconstruction in an electrochemical environment 407 (1998) L629
Boland, J.J., see Grube 407 (1998) 152
Bowler, D.R., see Goringe 407 (1998) L681
Bradshaw, A.M., see Tammaro 407 (1998) 162
Brause, M., see Takami 407 (1998) 140
Brena, B., see Polop 407 (1998) 268
Busch, B.W. and T. Gustafsson, Temperature dependent structure of clean Ag(110) studied by medium energy ion scattering 407 (1998) 7

Campbell, C.T., see Yoshihara 407 (1998) 256
Canepa, M., see Ferro 407 (1998) 212
Carbone, M., M.N. Piancastelli, R. Zanoni, G. Comtet, G. Dujardin and L. Hellner, A low symmetry adsorption state of benzene on Si(111)7 × 7 studied by photoemission and photodesorption 407 (1998) 275
Chaturvedi, S., see Rodriguez 407 (1998) 171
Chen, Y.F., Inelastic electron interactions in overlayers on substrates 407 (1998) 73
Cocco, D., see Polop 407 (1998) 268
Comtet, G., see Carbone 407 (1998) 275

Davydov, S.Y., On the concentration dependence of alkali metal desorption from the oxygen monolayer-covered tungsten surface 407 (1998) L652
Dhanak, V.R., see Shard 407 (1998) L623
Dippel, M., see Kohl 407 (1998) 104
Dujardin, G., see Carbone 407 (1998) 275

Eltsov, K.N., see Andryushechkin 407 (1998) L633
Evans, J.W., see Tammaro 407 (1998) 162

Ferro, P., R. Moroni, M. Salvietti, M. Canepa and L. Mattera, Surface magnetism of oxygen adsorbed on a Fe/Ag(100) film 407 (1998) 212
Filleböck, G., see Kohl 407 (1998) 104
Frechard, F. and R.A. van Santen, Theoretical study of the adsorption of the atomic oxygen on the Cu(110) surface 407 (1998) 200
Friend, C.M., see Queeney 407 (1998) 293

Garcia, N., J. Przeslawski and M. Sharonov, Giant conductance response to light pulses in metallic nanowires 407 (1998) L665
Garnier, M., see Purdie 407 (1998) L671
Ghiaia, G., see Karlsson 407 (1998) L687
Gibbs, D., see Watson 407 (1998) 59
Goodman, D.W., see Street 407 (1998) 296
Goringe, C.M. and D.R. Bowler, Rotation of a silicon dimer over the trench between dimer rows on the Si(001) surface 407 (1998) L681
Grube, H. and J.J. Boland, Origin of homoepitaxial faulted island growth on the Si(111) surface 407 (1998) 152
Gustafsson, T., see Busch 407 (1998) 7

Hafner, J., see Raybaud 407 (1998) 237
Haftel, M.I. and M. Rosen, New ballistically and thermally activated exchange processes in the vapor deposition of Au on Ag(111): a molecular dynamics study 407 (1998) 16
Hasselström, J., O. Karis, M. Weinelt, N. Wassdahl, A. Nilsson, M. Nyberg, L.G.M. Pettersson, M.G. Samant and J. Stöhr, The adsorption structure of glycine adsorbed on Cu(110); comparison with formate and acetate/Cu(110) 407 (1998) 221
Hellner, L., see Carbone 407 (1998) 275
Hengsberger, M., see Purdie 407 (1998) L671
Himpsel, F.J., see Petrovykh 407 (1998) 189
Hinnen, C., see Kitakatsu 407 (1998) 36
Hrbek, J., see Rodriguez 407 (1998) 171
Hüsken, H., B. Schröter and Wo. Richter, Surface state dispersion on the β-SiC(111)-(3 × 3) surface 407 (1998) L676
Hüsken, H., B. Schröter and Wo. Richter, Electronic structure of the β-SiC(100)-(2 × 1) reconstruction 407 (1998) 114

Imanishi, A., K. Isawa, F. Matsui, T. Tsuduki, T. Yokoyama, H. Kondoh, Y. Kitajima and T. Ohta, Structural studies of adsorbed alkanethiols on Cu(111) by use of S and C K-edge X-ray absorption fine structures 407 (1998) 282
Imbihl, R., see Tammaro 407 (1998) 162
Ino, S., see Takami 407 (1998) 140

Isawa, K., see Imanishi 407 (1998) 282

Jacobs, K., see Kohl 407 (1998) 104
Jirsak, T., see Rodriguez 407 (1998) 171
Joyce, B.A., see Tejedor 407 (1998) 82
Jung, T., see Petrovykh 407 (1998) 189

Kageshima, H. and K. Shiraishi, Theoretical study of the band offset at silicon-oxide/silicon interfaces with interfacial defects 407 (1998) 133
Kallinger, C., see Roy 407 (1998) 1
Karis, O., see Hasselström 407 (1998) 221
Karlsson, H.S., G. Ghiaia and U.O. Karlsson, Electron dynamics and accumulation on the InAs(110) surface 407 (1998) L687
Karlsson, U.O., see Karlsson 407 (1998) L687
Kempter, V., see Takami 407 (1998) 140
Kirschner, J., see Shen 407 (1998) 90
Kitajima, Y., see Imanishi 407 (1998) 282
Kitakatsu, N., V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36
Kohl, U., M. Dippel, G. Filleböck, K. Jacobs, B.-U. Runge and G. Schatz, Local magnetism of ultrathin fcc-Co films on Cu(100) investigated by ^{111}In probes 407 (1998) 104
Kolb, D.M., see Bohnen 407 (1998) L629
Kondoh, H., see Imanishi 407 (1998) 282
Kresse, G., see Raybaud 407 (1998) 237

Ma, Y.R., see Moriarty 407 (1998) 27
Madey, T.E., see Tao 407 (1998) L640
Marcus, P., see Kitakatsu 407 (1998) 36
Martín-Gago, J.A., see Polop 407 (1998) 268
Matsui, F., see Imanishi 407 (1998) 282
Mattera, L., see Ferro 407 (1998) 212
Maurice, V., see Kitakatsu 407 (1998) 36
Maus-Friedrichs, W., see Takami 407 (1998) 140
Minoda, H., see Shimakura 407 (1998) L657
Minot, C., see Sonnet 407 (1998) 121
Mochrie, S.G.J., see Watson 407 (1998) 59
Moriarty, P., Y.R. Ma, M.D. Upward and P.H. Beton, Translation, rotation and removal of C_{60} on Si(100)–2 × 1 using anisotropic molecular manipulation 407 (1998) 27
Moroni, R., see Ferro 407 (1998) 212

Nakajima, S., see Oku 407 (1998) L647
Nilsson, A., see Hasselström 407 (1998) 221
Nyberg, M., see Hasselström 407 (1998) 221

Ochs, D., see Takami 407 (1998) 140
Ohta, T., see Imanishi 407 (1998) 282
Oku, T. and S. Nakajima, Surface structures of (Hg, Tl)-based oxides studied by high-resolution electron microscopy 407 (1998) L647

Paolucci, G., see Polop 407 (1998) 268
Petrovykh, D.Y., F.J. Himpsel and T. Jung, Width distribution of nanowires grown by step decoration 407 (1998) 189
Pettersson, L.G.M., see Hasselström 407 (1998) 221
Piancastelli, M.N., see Carbone 407 (1998) 275
Polop, C., C. Rojas, E. Roman, J.A. Martín-Gago, B. Brena, D. Cocco and G. Paolucci, LEED structural determination of the c(2 × 2) Si/Cu(110) surface alloy 407 (1998) 268
Przeslawski, J., see Garcia 407 (1998) L665
Purdie, D., M. Hengsberger, M. Garnier and Y. Baer, An outlook for high-resolution UV photoelectron spectroscopy of solids at low temperature 407 (1998) L671

Queeney, K.T. and C.M. Friend, Comment on "Methanol on O/Mo(110): specific site for methyl radical formation" by S.C. Street, G. Liu and D.W. Goodman [Surf. Sci. 385 (1997) L971] 407 (1998) 293

Rastomjee, C.S., see Tammaro 407 (1998) 162
Raybaud, P., J. Hafner, G. Kresse and H. Toulhoat, Structural and electronic properties of the $MoS_2(10\bar{1}0)$ edge-surface 407 (1998) 237
Richter, Wo., see Hüsken 407 (1998) L676
Richter, Wo., see Hüsken 407 (1998) 114
Rodriguez, J.A., T. Jirsak, S. Chaturvedi and J. Hrbek, The interaction of H_2S and S_2 with Cs and Cs/ZnO surfaces: photoemission and molecular-orbital studies 407 (1998) 171
Rojas, C., see Polop 407 (1998) 268
Roman, E., see Polop 407 (1998) 268
Rosen, M., see Haftel 407 (1998) 16
Rowe, J.E., see Tao 407 (1998) L640
Roy, H.-V., C. Kallinger and K. Sattler, Study of single and multiple foldings of graphitic sheets 407 (1998) 1
Runge, B.-U., see Kohl 407 (1998) 104

Salmeron, M., see Xu 407 (1998) 251
Salvietti, M., see Ferro 407 (1998) 212
Samant, M.G., see Hasselström 407 (1998) 221
Sattler, K., see Roy 407 (1998) 1
Schatz, G., see Kohl 407 (1998) 104
Schmidthals, C., see Shen 407 (1998) 90
Schröter, B., see Hüsken 407 (1998) L676
Schröter, B., see Hüsken 407 (1998) 114
Shard, A.G. and V.R. Dhanak, Normal incidence X-ray standing wavefield (NIXSW) study of the Rh(111)-$(\sqrt{7} \times \sqrt{7})$R19.1°-P surface 407 (1998) L623
Sharonov, M., see Garcia 407 (1998) L665
Shen, J., C. Schmidthals, J. Woltersdorf and J. Kirschner, Structural phase transformation under reversed strain: a comparative study of iron ultrathin film growth on nickel and copper (100) 407 (1998) 90
Shevlyuga, V.M., see Andryushechkin 407 (1998) L633
Shimakura, T., H. Minoda, Y. Tanishiro and K. Yagi, In-situ study of gold-induced surface structures and step rearrangements on the Si(001) surface by high-temperature STM 407 (1998) L657
Shiraishi, K., see Kageshima 407 (1998) 133

Šmilauer, P., see Tejedor 407 (1998) 82
Sonnet, Ph., L. Stauffer and C. Minot, Adsorption and diffusion mechanisms of Pb on Si(111)-(7 × 7) in the initial stages of Pb chemisorption 407 (1998) 121
Stauffer, L., see Sonnet 407 (1998) 121
Stöhr, J., see Hasselström 407 (1998) 221
Street, S.C. and D.W. Goodman, Response to Queeney and Friend's "Comment on "Methanol on O/Mo(110): specific site for methyl radical formation"" 407 (1998) 296
Swiech, W., see Tammaro 407 (1998) 162

Takami, T., M. Brause, D. Ochs, W. Maus-Friedrichs, V. Kempter and S. Ino, Study of Au multiple-twinned particle micelles by X-ray photoelectron spectroscopy, ultraviolet photoelectron spectroscopy (HeI) and metastable impact electron spectroscopy 407 (1998) 140
Tammaro, M., J.W. Evans, C.S. Rastomjee, W. Swiech, A.M. Bradshaw and R. Imbihl, Reaction–diffusion front propagation across stepped surfaces during catalytic oxidation of CO on Pt(100) 407 (1998) 162
Tanishiro, Y., see Shimakura 407 (1998) L657
Tao, H.-S., T.E. Madey and J.E. Rowe, W(111)-based bimetallic systems: core-level photoelectron spectroscopy studies 407 (1998) L640
Tejedor, P., F.E. Allegretti, P. Šmilauer and B.A. Joyce, Temperature-dependent unstable homoepitaxy on vicinal GaAs(110) surfaces 407 (1998) 82
Toulhoat, H., see Raybaud 407 (1998) 237
Tsuduki, T., see Imanishi 407 (1998) 282

Upward, M.D., see Moriarty 407 (1998) 27

Van Santen, R.A., see Frechard 407 (1998) 200

Wassdahl, N., see Hasselström 407 (1998) 221
Watson, G.M., D. Gibbs, D.M. Zehner, M. Yoon and S.G.J. Mochrie, Orientational phase diagram of the stepped Au(001) surface 407 (1998) 59
Weinelt, M., see Hasselström 407 (1998) 221
Woltersdorf, J., see Shen 407 (1998) 90

Xu, L., H. Bluhm and M. Salmeron, An AFM study of the tribological properties of NaCl(100) surfaces under moist air 407 (1998) 251

Yagi, K., see Shimakura 407 (1998) L657
Yokoyama, T., see Imanishi 407 (1998) 282
Yoon, M., see Watson 407 (1998) 59
Yoshihara, J. and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256
Yurov, V.Yu., see Andryushechkin 407 (1998) L633

Zanoni, R., see Carbone 407 (1998) 275
Zehner, D.M., see Watson 407 (1998) 59

ELSEVIER

Surface Science 407 (1998) 302–306

surface science

Subject index

THEORETICAL METHODS, MODELS AND TECHNIQUES

Ab initio quantum chemical methods and calculations

J.A. Rodriguez, T. Jirsak, S. Chaturvedi and J. Hrbek, The interaction of H_2S and S_2 with Cs and Cs/ZnO surfaces: photoemission and molecular-orbital studies 407 (1998) 171

F. Frechard and R.A. van Santen, Theoretical study of the adsorption of the atomic oxygen on the Cu(110) surface 407 (1998) 200

Construction and use of effective interatomic interactions

H.-V. Roy, C. Kallinger and K. Sattler, Study of single and multiple foldings of graphite sheets 407 (1998) 1

Density functional calculations

K.P. Bohnen and D.M. Kolb, Charge- versus adsorbate-induced lifting of the Au(100)-(hex) reconstruction in an electrochemical environment 407 (1998) L629

C.M. Goringe and D.R. Bowler, Rotation of a silicon dimer over the trench between dimer rows on the Si(001) surface 407 (1998) L681

H. Kageshima and K. Shiraishi, Theoretical study of the band offset at silicon-oxide/silicon interfaces with interfacial defects 407 (1998) 133

F. Frechard and R.A. van Santen, Theoretical study of the adsorption of the atomic oxygen on the Cu(110) surface 407 (1998) 200

J. Hasselström, O. Karis, M. Weinelt, N. Wassdahl, A. Nilsson, M. Nyberg, L.G.M. Pettersson, M.G. Samant and J. Stöhr, The adsorption structure of glycine adsorbed on Cu(110); comparison with formate and acetate/Cu(110) 407 (1998) 221

P. Raybaud, J. Hafner, G. Kresse and H. Toulhoat, Structural and electronic properties of the $MoS_2(10\bar{1}0)$ edge-surface 407 (1998) 237

Equilibrium thermodynamics and statistical mechanics

G.M. Watson, D. Gibbs, D.M. Zehner, M. Yoon and S.G.J. Mochrie, Orientational phase diagram of the stepped Au(001) surface 407 (1998) 59

Models of surface kinetics

D.Y. Petrovykh, F.J. Himpsel and T. Jung, Width distribution of nanowires grown by step decoration 407 (1998) 189

Semi-empirical models and model calculations

Ph. Sonnet, L. Stauffer and C. Minot, Adsorption and diffusion mechanisms of Pb on Si(111)-(7 × 7) in the initial stages of Pb chemisorption 407 (1998) 121

EXPERIMENTAL SAMPLE PREPARATION AND CHARACTERIZATION METHODS

Atomic force microscopy

P. Tejedor, F.E. Allegretti, P. Šmilauer and B.A. Joyce, Temperature-dependent unstable homoepitaxy on vicinal GaAs(110) surfaces 407 (1998) 82

L. Xu, H. Bluhm and M. Salmeron, An AFM study of the tribological properties of NaCl(100) surfaces under moist air 407 (1998) 251

Auger electron spectroscopy

N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36

Electrical transport measurements

N. Garcia, J. Przeslawski and M. Sharonov, Giant conductance response to light pulses in metallic nanowires 407 (1998) L665

H. Kageshima and K. Shiraishi, Theoretical study of the band offset at silicon-oxide/silicon interfaces with interfacial defects 407 (1998) 133

Electrochemical methods

K.P. Bohnen and D.M. Kolb, Charge- versus adsorbate-induced lifting of the Au(100)-(hex) reconstruction in an electrochemical environment 407 (1998) L629

Electron emission measurements

Photoemission (total yield)

M. Carbone, M.N. Piancastelli, R. Zanoni, G. Comtet, G. Dujardin and L. Hellner, A low symmetry adsorption state of benzene on Si(111)7 × 7 studied by photoemission and photodesorption 407 (1998) 275

Secondary electron emission

P. Ferro, R. Moroni, M. Salvietti, M. Canepa and L. Mattera, Surface magnetism of oxygen adsorbed on a Fe/Ag(100) film 407 (1998) 212

Electron microscopy

T. Oku and S. Nakajima, Surface structures of (Hg, Tl)-based oxides studied by high-resolution electron microscopy 407 (1998) L647

Electron–solid diffraction

U. Kohl, M. Dippel, G. Filleböck, K. Jacobs, B.-U. Runge and G. Schatz, Local magnetism of ultrathin fcc-Co films on Cu(100) investigated by ^{111}In probes 407 (1998) 104

Low energy electron diffraction (LEED)

B.V. Andryushechkin, K.N. Eltsov, V.M. Shevlyuga and V.Yu. Yurov, Atomic structure of saturated chlorine monolayer on Ag(111) surface 407 (1998) L633

N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36

C. Polop, C. Rojas, E. Roman, J.A. Martín-Gago, B. Brena, D. Cocco and G. Paolucci, LEED structural determination of the c(2 × 2) Si/Cu(110) surface alloy 407 (1998) 268

Ion scattering spectroscopy

Medium energy ion scattering (MEIS)

B.W. Busch and T. Gustafsson, Temperature dependent structure of clean Ag(110) studied by medium energy ion scattering 407 (1998) 7

Laser methods

H.S. Karlsson, G. Ghiaia and U.O. Karlsson, Electron dynamics and accumulation on the InAs(110) surface 407 (1998) L687

Magnetic measurements

P. Ferro, R. Moroni, M. Salvietti, M. Canepa and L. Mattera, Surface magnetism of oxygen adsorbed on a Fe/Ag(100) film 407 (1998) 212

Molecular beam epitaxy

P. Tejedor, F.E. Allegretti, P. Šmilauer and B.A. Joyce, Temperature-dependent unstable homoepitaxy on vicinal GaAs(110) surfaces 407 (1998) 82

Molecule–solid reactions

H. Grube and J.J. Boland, Origin of homoepitaxial faulted island growth on the Si(111) surface 407 (1998) 152

Photoelectron spectroscopy

T. Takami, M. Brause, D. Ochs, W. Maus-Friedrichs, V. Kempter and S. Ino, Study of Au multiple-twinned particle micelles by X-ray photoelectron spectroscopy, ultraviolet photoelectron spectroscopy (HeI) and metastable impact electron spectroscopy 407 (1998) 140

J.A. Rodriguez, T. Jirsak, S. Chaturvedi and J. Hrbek, The interaction of H_2S and S_2 with Cs and Cs/ZnO surfaces: photoemission and molecular-orbital studies 407 (1998) 171

Angle resolved photoemission

D. Purdie, M. Hengsberger, M. Garnier and Y. Baer, An outlook for high-resolution UV photoelectron spectroscopy of solids at low temperature 407 (1998) L671

H. Hüsken, B. Schröter and Wo. Richter, Surface state dispersion on the β-SiC(111)-(3 × 3) surface 407 (1998) L676

H.S. Karlsson, G. Ghiaia and U.O. Karlsson, Electron dynamics and accumulation on the InAs(110) surface 407 (1998) L687

H. Hüsken, B. Schröter and Wo. Richter, Electronic structure of the β-SiC(100)-(2 × 1) reconstruction 407 (1998) 114

Soft X-ray photoelectron spectroscopy (using synchrotron radiation)

H.-S. Tao, T.E. Madey and J.E. Rowe, W(111)-based bimetallic systems: core-level photoelectron spectroscopy studies 407 (1998) L640

Visible and ultraviolet photoelectron spectroscopy

H. Hüsken, B. Schröter and Wo. Richter, Surface state dispersion on the β-SiC(111)-(3 × 3) surface 407 (1998) L676

H. Hüsken, B. Schröter and Wo. Richter, Electronic structure of the β-SiC(100)-(2 × 1) reconstruction 407 (1998) 114

X-ray photoelectron spectroscopy

N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36

Synchrotron radiation photoelectron spectroscopy

H.-S. Tao, T.E. Madey and J.E. Rowe, W(111)-based bimetallic systems: core-level photoelectron spectroscopy studies 407 (1998) L640

Photon absorption spectroscopy

Near edge extended X-ray absorption fine structure (NEXAFS)

J. Hasselström, O. Karis, M. Weinelt, N. Wassdahl, A. Nilsson, M. Nyberg, L.G.M. Pettersson, M.G. Samant and J. Stöhr, The adsorption structure of glycine adsorbed on Cu(110); comparison with formate and acetate/Cu(110) 407 (1998) 221

A. Imanishi, K. Isawa, F. Matsui, T. Tsuduki, T. Yokoyama, H. Kondoh, Y. Kitajima and T. Ohta, Structural studies of adsorbed alkanethiols on Cu(111) by use of S and C K-edge X-ray absorption fine structures 407 (1998) 282

Surface extended X-ray absorption fine structure (SEXAFS)

A. Imanishi, K. Isawa, F. Matsui, T. Tsuduki, T. Yokoyama, H. Kondoh, Y. Kitajima and T. Ohta, Structural studies of adsorbed alkanethiols on Cu(111) by use of S and C K-edge X-ray absorption fine structures 407 (1998) 282

Radioactive tracer methods

U. Kohl, M. Dippel, G. Filleböck, K. Jacobs, B.-U. Runge and G. Schatz, Local magnetism of ultrathin fcc-Co films on Cu(100) investigated by ^{111}In probes 407 (1998) 104

Scanning tunneling microscopy

B.V. Andryushechkin, K.N. Eltsov, V.M. Shevlyuga and V.Yu. Yurov, Atomic structure of saturated chlorine monolayer on Ag(111) surface 407 (1998) L633

N. Garcia, J. Przeslawski and M. Sharonov, Giant conductance response to light pulses in metallic nanowires 407 (1998) L665

H.-V. Roy, C. Kallinger and K. Sattler, Study of single and multiple foldings of graphite sheets 407 (1998) 1

P. Moriarty, Y.R. Ma, M.D. Upward and P.H. Beton, Translation, rotation and removal of C_{60} on Si(100)–2 × 1 using anisotropic molecular manipulation 407 (1998) 27

N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36

J. Shen, C. Schmidthals, J. Woltersdorf and J. Kirschner, Structural phase transformation under reversed strain: a comparative study of iron ultrathin film growth on nickel and copper (100) 407 (1998) 90

H. Grube and J.J. Boland, Origin of homoepitaxial faulted island growth on the Si(111) surface 407 (1998) 152

D.Y. Petrovykh, F.J. Himpsel and T. Jung, Width distribution of nanowires grown by step decoration 407 (1998) 189

Thermal desorption spectroscopy

J. Yoshihara and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256

X-ray scattering, diffraction, and reflection

G.M. Watson, D. Gibbs, D.M. Zehner, M. Yoon and S.G.J. Mochrie, Orientational phase diagram of the stepped Au(001) surface 407 (1998) 59

PHENOMENA

Adhesion

L. Xu, H. Bluhm and M. Salmeron, An AFM study of the tribological properties of NaCl(100) surfaces under moist air 407 (1998) 251

Catalysis

J. Yoshihara and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256

Chemisorption

A.G. Shard and V.R. Dhanak, Normal incidence X-ray standing wavefield (NIXSW) study of the Rh(111)-(77)R19.1°-P surface 407 (1998) L623

B.V. Andryushechkin, K.N. Eltsov, V.M. Shevlyuga and V.Yu. Yurov, Atomic structure of saturated chlorine monolayer on Ag(111) surface 407 (1998) L633

P. Moriarty, Y.R. Ma, M.D. Upward and P.H. Beton, Translation, rotation and removal of C_{60} on Si(100)–2 × 1 using anisotropic molecular manipulation 407 (1998) 27

Ph. Sonnet, L. Stauffer and C. Minot, Adsorption and diffusion mechanisms of Pb on Si(111)-(7 × 7) in the initial stages of Pb chemisorption 407 (1998) 121

F. Frechard and R.A. van Santen, Theoretical study of the adsorption of the atomic oxygen on the Cu(110) surface 407 (1998) 200

P. Ferro, R. Moroni, M. Salvietti, M. Canepa and L. Mattera, Surface magnetism of oxygen adsorbed on a Fe/Ag(100) film 407 (1998) 212

J. Hasselström, O. Karis, M. Weinelt, N. Wassdahl, A. Nilsson, M. Nyberg, L.G.M. Pettersson, M.G. Samant and J. Stöhr, The adsorption structure of glycine adsorbed on Cu(110); comparison with formate and acetate/Cu(110) 407 (1998) 221

J. Yoshihara and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256

Conductivity

N. Garcia, J. Przeslawski and M. Sharonov, Giant conductance response to light pulses in metallic nanowires 407 (1998) L665

Corrosion

N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36

Epitaxy

P. Tejedor, F.E. Allegretti, P. Šmilauer and B.A. Joyce, Temperature-dependent unstable homoepitaxy on vicinal GaAs(110) surfaces 407 (1998) 82

H. Grube and J.J. Boland, Origin of homoepitaxial faulted island growth on the Si(111) surface 407 (1998) 152

J. Yoshihara and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256

Field effect

K.P. Bohnen and D.M. Kolb, Charge- versus adsorbate-induced lifting of the Au(100)-(hex) reconstruction in an electrochemical environment 407 (1998) L629

Friction

L. Xu, H. Bluhm and M. Salmeron, An AFM study of the tribological properties of NaCl(100) surfaces under moist air 407 (1998) 251

Growth

C.M. Goringe and D.R. Bowler, Rotation of a silicon dimer over the trench between dimer rows on the Si(001) surface 407 (1998) L681
N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36
U. Kohl, M. Dippel, G. Filleböck, K. Jacobs, B.-U. Runge and G. Schatz, Local magnetism of ultrathin fcc-Co films on Cu(100) investigated by ^{111}In probes 407 (1998) 104

Oxidation

N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36
P. Ferro, R. Moroni, M. Salvietti, M. Canepa and L. Mattera, Surface magnetism of oxygen adsorbed on a Fe/Ag(100) film 407 (1998) 212

Radiation damage

D. Purdie, M. Hengsberger, M. Garnier and Y. Baer, An outlook for high-resolution UV photoelectron spectroscopy of solids at low temperature 407 (1998) L671

Self-assembly

T. Takami, M. Brause, D. Ochs, W. Maus-Friedrichs, V. Kempter and S. Ino, Study of Au multiple-twinned particle micelles by X-ray photoelectron spectroscopy, ultraviolet photoelectron spectroscopy (HeI) and metastable impact electron spectroscopy 407 (1998) 140
D.Y. Petrovykh, F.J. Himpsel and T. Jung, Width distribution of nanowires grown by step decoration 407 (1998) 189

Surface chemical reaction

B.V. Andryushechkin, K.N. Eltsov, V.M. Shevlyuga and V.Yu. Yurov, Atomic structure of saturated chlorine monolayer on Ag(111) surface 407 (1998) L633
C.M. Goringe and D.R. Bowler, Rotation of a silicon dimer over the trench between dimer rows on the Si(001) surface 407 (1998) L681
J.A. Rodriguez, T. Jirsak, S. Chaturvedi and J. Hrbek, The interaction of H_2S and S_2 with Cs and Cs/ZnO surfaces: photoemission and molecular-orbital studies 407 (1998) 171
J. Yoshihara and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256

Surface diffusion

P. Tejedor, F.E. Allegretti, P. Šmilauer and B.A. Joyce, Temperature-dependent unstable homoepitaxy on vicinal GaAs(110) surfaces 407 (1998) 82
M. Tammaro, J.W. Evans, C.S. Rastomjee, W. Swiech, A.M. Bradshaw and R. Imbihl, Reaction–diffusion front propagation across stepped surfaces during catalytic oxidation of CO on Pt(100) 407 (1998) 162
D.Y. Petrovykh, F.J. Himpsel and T. Jung, Width distribution of nanowires grown by step decoration 407 (1998) 189

Surface electronic phenomena (work function, surface potential, surface states, etc.)

D. Purdie, M. Hengsberger, M. Garnier and Y. Baer, An outlook for high-resolution UV photoelectron spectroscopy of solids at low temperature 407 (1998) L671
H. Hüsken, B. Schröter and Wo. Richter, Surface state dispersion on the β-SiC(111)-(3 × 3) surface 407 (1998) L676
H. Hüsken, B. Schröter and Wo. Richter, Electronic structure of the β-SiC(100)-(2 × 1) reconstruction 407 (1998) 114
P. Raybaud, J. Hafner, G. Kresse and H. Toulhoat, Structural and electronic properties of the $MoS_2(10\bar{1}0)$ edge-surface 407 (1998) 237
J. Yoshihara and C.T. Campbell, Chemisorption of formic acid and CO on Cu particles on the Zn-terminated ZnO(0001) surface 407 (1998) 256

Surface relaxation and reconstruction

K.P. Bohnen and D.M. Kolb, Charge- versus adsorbate-induced lifting of the Au(100)-(hex) reconstruction in an electrochemical environment 407 (1998) L629
B.W. Busch and T. Gustafsson, Temperature dependent structure of clean Ag(110) studied by medium energy ion scattering 407 (1998) 7
F. Frechard and R.A. van Santen, Theoretical study of the adsorption of the atomic oxygen on the Cu(110) surface 407 (1998) 200

Surface structure, morphology, roughness, and topography

B.V. Andryushechkin, K.N. Eltsov, V.M. Shevlyuga and V.Yu. Yurov, Atomic structure of saturated chlorine monolayer on Ag(111) surface 407 (1998) L633
T. Oku and S. Nakajima, Surface structures of (Hg, Tl)-based oxides studied by high-resolution electron microscopy 407 (1998) L647
H.-V. Roy, C. Kallinger and K. Sattler, Study of single and multiple foldings of graphite sheets 407 (1998) 1
N. Kitakatsu, V. Maurice, C. Hinnen and P. Marcus, Surface hydroxylation and local structure of NiO thin films formed on Ni(111) 407 (1998) 36
Ph. Sonnet, L. Stauffer and C. Minot, Adsorption and diffusion mechanisms of Pb on Si(111)-(7 × 7) in the initial stages of Pb chemisorption 407 (1998) 121
H. Grube and J.J. Boland, Origin of homoepitaxial faulted island growth on the Si(111) surface 407 (1998) 152
P. Raybaud, J. Hafner, G. Kresse and H. Toulhoat, Structural and electronic properties of the $MoS_2(10\bar{1}0)$ edge-surface 407 (1998) 237
C. Polop, C. Rojas, E. Roman, J.A. Martín-Gago, B. Brena, D. Cocco and G. Paolucci, LEED structural determination of the c(2 × 2) Si/Cu(110) surface alloy 407 (1998) 268

Surface thermodynamics (including phase transitions)

J. Shen, C. Schmidthals, J. Woltersdorf and J. Kirschner, Structural phase transformation under reversed strain: a comparative study of iron ultrathin film growth on nickel and copper (100) 407 (1998) 90

D.Y. Petrovykh, F.J. Himpsel and T. Jung, Width distribution of nanowires grown by step decoration 407 (1998) 189

Surface waves

Plasmons

Y.F. Chen, Inelastic electron interactions in overlayers on substrates 407 (1998) 73

Tribology

L. Xu, H. Bluhm and M. Salmeron, An AFM study of the tribological properties of NaCl(100) surfaces under moist air 407 (1998) 251